



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6DS-L10-835-DIM-LW-OF-WH.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]GEN from BALLABS TEST NO. 20349.0

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUE DATE] 24-APR-2018

[MANUFAC] WILLIAMS INDOOR

[OTHER] H.E. WILLIAMS, INC - CARTHAGE, MO

[LUMINAIRE] GEN7 V13 LED 6"SHORT HEATSINK 6"SQ CAST HOUSING DOWNLIGHT

[MORE] WHITE MIXING CHAMBER & 6"CAST WHITE FLUSH TRIM w/SOLITE

[MORE] LENS

[LUMCAT] 6DS-L10-835-DIM-UNV-LW-OF-WH

[_SEARCH_SOURCETYPE] LED

[_SEARCH_APPLICATION] Indoor, Classroom, Commercial, Industrial, Office, Direct, Downlight

[_SEARCH_MOUNTING] Recessed

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1037
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	98
Total Luminaire Watts	10.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.04
Spacing Criterion (90-270)	1.06
Spacing Criterion (Diagonal)	1.10
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.50 ft
Luminous Width (90-270)	0.50 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9654	11141	9441
55	7523	7710	7448
65	5232	5232	5079
75	3318	3235	3152
85	739	493	985

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	700.150	700.150	700.150	700.150	700.150
5	702.146	698.653	698.653	698.153	699.651
10	695.658	692.664	692.165	689.670	693.662
15	686.177	681.186	677.194	675.198	677.194
20	652.242	659.229	662.722	653.739	645.255
25	571.398	587.367	630.284	593.356	573.893
30	426.677	476.581	537.962	480.074	427.176
35	261.496	314.893	421.687	297.426	262.494
40	197.619	217.081	288.943	208.598	195.124
45	158.694	168.176	183.147	163.684	155.201
50	127.255	132.744	136.736	129.750	127.255
55	100.307	100.307	102.802	100.806	99.308
60	72.859	73.359	72.360	72.360	73.858
65	51.401	51.401	51.401	50.902	49.904
70	33.935	33.436	31.439	32.936	33.436
75	19.962	19.462	19.462	18.963	18.963
80	10.979	9.981	9.482	9.482	9.482
85	1.497	1.996	0.998	1.497	1.996
90	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	257.85	N.A.	24.90
0-30	525.37	N.A.	50.70
0-40	735.88	N.A.	71.00
0-60	960.43	N.A.	92.60
0-80	1033.26	N.A.	99.70
0-90	1036.77	N.A.	100.00
10-90	970.27	N.A.	93.60
20-40	478.03	N.A.	46.10
20-50	611.84	N.A.	59.00
40-70	275.94	N.A.	26.60
60-80	72.83	N.A.	7.00
70-80	21.44	N.A.	2.10
80-90	3.51	N.A.	0.30
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1036.77	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	66.50
10-20	191.35
20-30	267.52
30-40	210.51
40-50	133.81
50-60	90.74
60-70	51.39
70-80	21.44
80-90	3.51
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

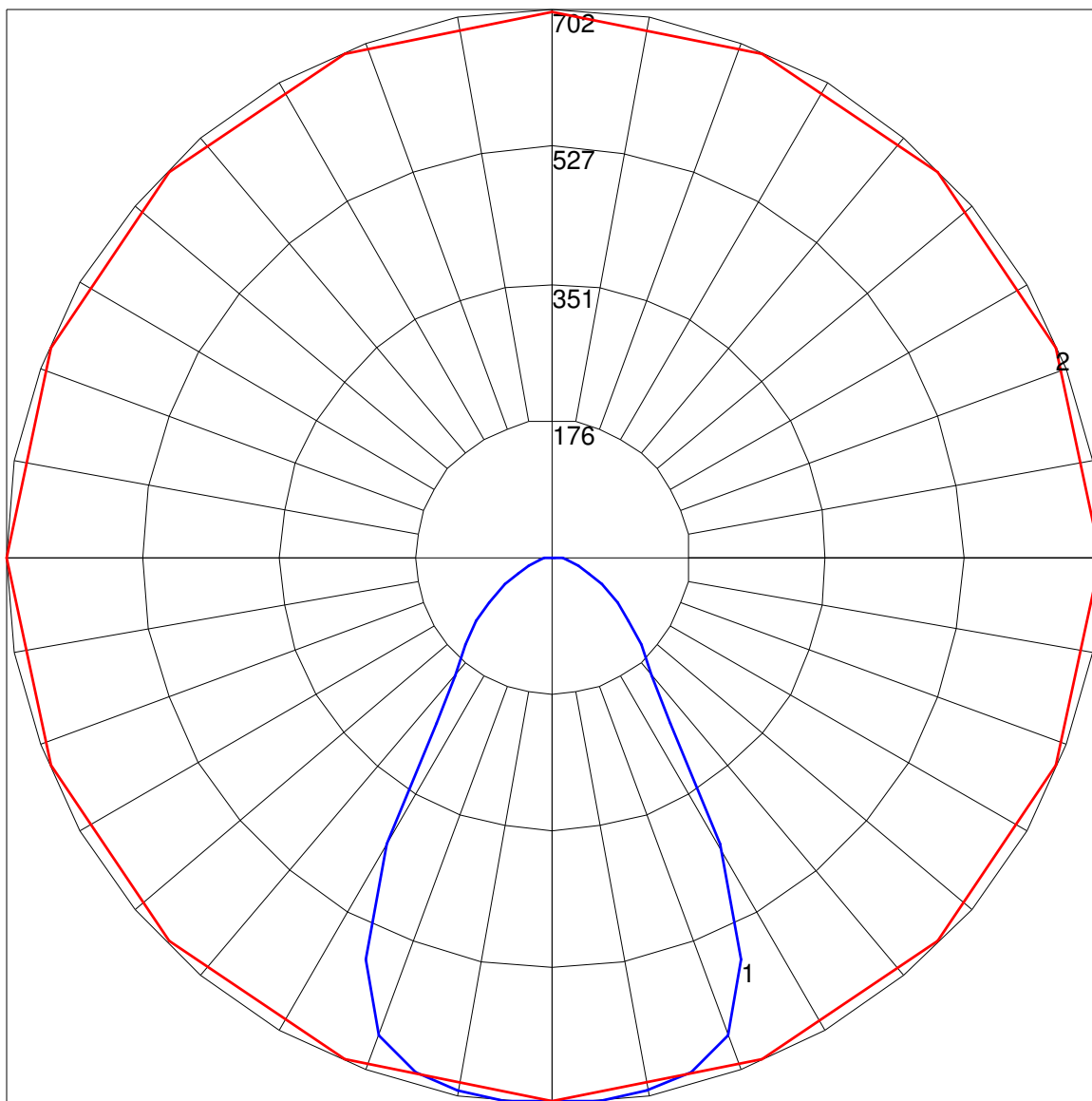
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	59	59	59	59	58	58	58	58	55	55	55	53	53	53	51	51	51	50
1	56	54	52	51	54	53	51	50	51	50	49	49	48	47	47	46	46	45
2	52	49	46	44	51	48	46	44	46	44	43	45	43	42	43	42	41	40
3	49	44	41	39	47	44	41	38	42	40	38	41	39	37	40	38	37	36
4	45	41	37	34	44	40	37	34	39	36	34	38	35	33	37	35	33	32
5	42	37	34	31	41	37	33	31	36	33	31	35	32	30	34	32	30	29
6	40	34	31	28	39	34	30	28	33	30	28	32	30	28	32	29	27	26
7	37	32	28	26	37	31	28	25	31	28	25	30	27	25	29	27	25	24
8	35	29	26	23	34	29	26	23	29	25	23	28	25	23	27	25	23	22
9	33	27	24	22	33	27	24	22	27	24	22	26	23	21	26	23	21	21
10	31	26	22	20	31	25	22	20	25	22	20	25	22	20	24	22	20	19

POLAR GRAPH



Maximum Candela = 702.146 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)